

1/27

07/960440

Figure 1A

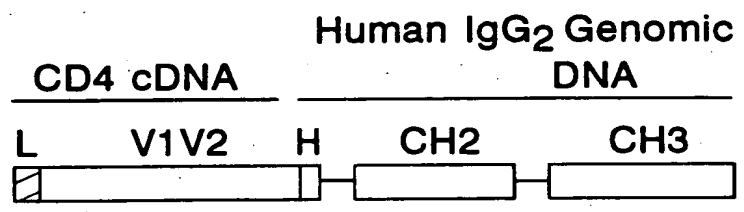
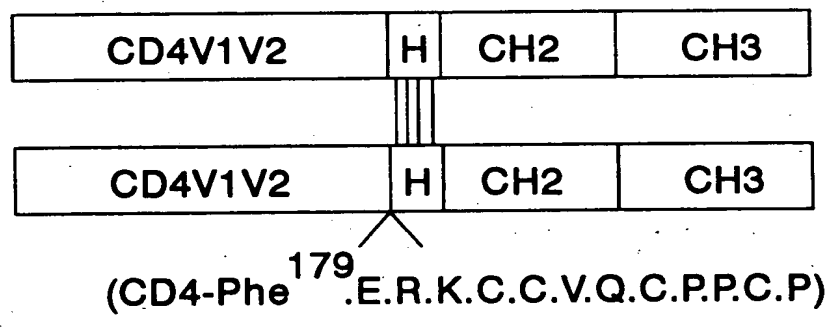


Figure 1B



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Figure 2A

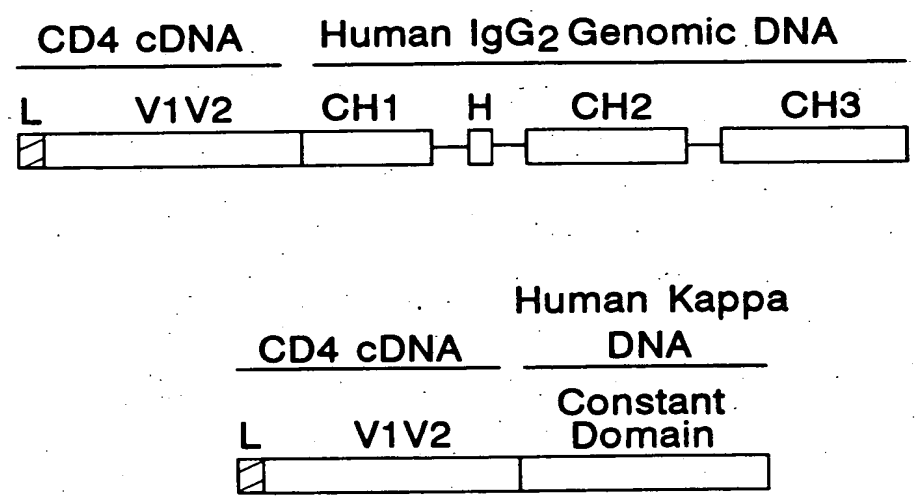
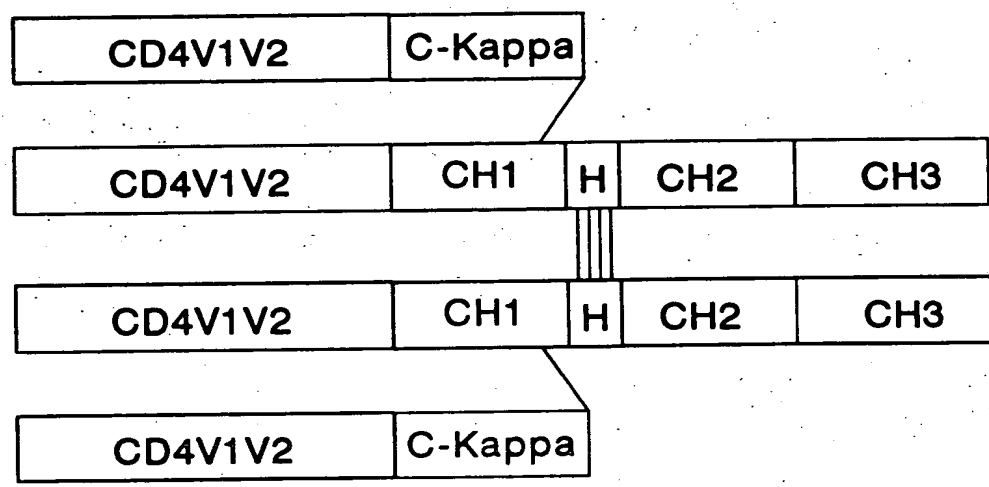


Figure 2B



004513 106095
 562030 2358400

FIGURE 3

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4/27
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8/27

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CAAGCCAGAGCCCTGCCATTCTGTGGCTCAGGTCCCTACTGCTCAGCCCTT 55
 CCTCCCTCGGCAAGGCCACAATG AAC CGG GGA GTC CCT TTT AGG CAC 102
 L L L V L Q L A L L P A A T
 TTG CTT CTG GTG CTG CAA CTG GCG CTC CTC CCA GCA GCC ACT 144
 -1 +1 -10 +10
 Q G K K V L G K K G D T V
 CAG GGA AAG AAA GTG GTG CTG GGC AAA AAA GGG GAT ACA GTG 186
 E L T C T A S Q K K S I Q F
 GAA CTG ACC TGT ACA GCT TCC CAG AAG AAG AGC ATA CAA TTC 228
 +20
 H W K N S N Q I K I L G N Q
 CAC TGG AAA AAC TCC AAC CAG ATA AAG ATT CTG GGA AAT CAG 270
 +30
 G S F L T K G P S K L N D R
 GGC TCC TTC TTA ACT AAA GGT CCA TCC AAG CTG AAT GAT CGC 312
 +50

→CD4

-20

562030" EST53130

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4/27

G S F L T K G P S K L N D R
GGC TCC TTC TTA ACT AAA GGT CCA TCC AAG CTG AAT GAT CGC 312

+60
A D S R R S L W D Q G N F P
GCT GAC TCA AGA AGA AGC CTT TGG GAC CAA GGA AAC TTC CCC 354

+70
L I I K N L K I E D S D T Y
CTG ATC ATC AAG AAT CTT AAG ATA GAA GAC TCA GAT ACT TAC 396

+80
+90
I C E V E D Q K E E V Q L L
ATC TGT GAA GTG GAG GAC CAG AAG GAG GAG GTG CAA TTG CTA 438

+100
+110
V F G L T A N S D T H L L Q
GTG TTC GGA TTG ACT GCC AAC TCT GAC ACC CAC CTG CTT CAG 480

+120
G Q S L T L T L E S P P G S
GGG CAG AGC CTG ACC CTG ACC TTG GAG AGC CCC CCT GGT AGT 522

+130
S P S V Q C R S P R G K N I
AGC CCC TCA GTG CAA TGT AGG AGT CCA AGG GGT AAA AAC ATA 564

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5/27

+140
 Q G G G G G G A A G A A C C T C T C C G T G T C T C A G C T G G A G C T C C A G 606
 +150
 L E L Q
 +160
 D S G T W T C T V L Q N Q K
 G A T A G T G G C A C C T G G A C A T G C T T G C A G A A C C A G A A G 648
 +170
 K V E F K I D I V V L A F E
 A A G G T G G A G T T C A A A A T A G A C A T C G T G T G C T A G C T T T C G A G 690
 +180
 →Hinge
 +190
 R K C C V E C P P C P
 C G C A A A T G T T G T G T C G A G T G C C C G C C G T G C C C A G G T A A G C C A G C C 705
 C A G G C C T C G C C C T C C A G C T C A A G G C G G A C A G G T G C C C T A G A G T A G C C T G C A T C C 760
 A G G G A C A G G C C C C A G C T G G T G C T G A C A C G T C C A C C T C C A T C T C T T C C T C A G C A 814
 +200
 P P V A G P S V F L F P P K
 C C A C C T G T G G C A G G A C C G T C A G T C T T C T T C C T C C C C A A A A 856

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+210
P K D T L M I S R T P E V T 898
CCC AAG GAC ACC CTC ATG ATC TCC CGG ACC CCT GAG GTC ACG

+220
C V V V D V S H E D P E V Q 940
TGC GTG GTG GAC GTG AGC CAC GAA GAC CCC GAG GTC CAG

+230
F N W Y V D G V E V H N A K 982
TTC AAC TGG TAC GTG GAC GGC GTG GAG GTG CAT AAT GCC AAG

+240
T K P R E E Q F N S T F R V +260 1024
ACA AAG CCA CGG GAG GAG CAG TTC AAC AGC ACG TTC CGT GTG

+250
V S V L T V V H Q D W L N G 1066
GTC AGC GTC CTC ACC GTT GTG CAC CAG GAC TGG CTG AAC GGC

+270
K E Y K C K V S N K G L P A 1108
AAG GAG TAC AAG TGC AAG GTC TCC AAC AAA GGC CTC CCA GCC

+280
P I E K T I S K T K 1154
CCC ATC GAG AAA ACC ATC TCC AAA ACC AAAGGTGGACCCGCGGGG

7/27

1209

TATGAGGCCACATGGACAGAGCGGCTGGCCACCCTCTGCCCTGGGAGTGA

→CH3

+300

1256

CCGCTGTGCCAACCTCTGTCCCTACAGGG CAG CCC CGA GAA CCA CAG

G Q P R E P Q

+310

+320

1298

V Y T L P P S R E E M T K N

1298

GTG TAC ACC CTG CCC CCA TCC CGG GAG GAG ATG ACC AAG AAC

+330

1340

Q V S L T C L V K G F Y P S

1340

CAG GTC AGC CTG ACC TGC CTG GTC AAA GGC TTC TAC CCC AGC

+340

1382

D I A V E W E S N G Q P E N

1382

GAC ATC GCC GTG GAG TGG GAG AGC AAT GGG CAG CCG GAG AAC

+350

+360

1424

N Y K T T P P M L D S D G S

1424

AAC TAC AAG ACC ACA CCT CCC ATG CTG GAC TCC GAC GGC TCC

+370

1466

F F L Y S K L T V D K S R W

1466

TTC TTC CTC TAC AGC AAG CTC ACC GTG GAC AAG AGC AGG TGG

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8/27

+380 +400
Q Q G N V F S C S V M H E A
CAG CAG GGG AAC GTC TTC TCA TGC TCC GTG ATG CAT GAG GCT 1508

+410
L H N H Y T Q K S L S L S P
CTG CAC AAC CAC TAC ACG CAG AAG AGC CTC TCC CTG TCT CCG 1550

G K stop
GGT AAA TGAGTGCCACGGCCGGCAAGCCCCCGCTCCCCAGGCTCTCGGGGTCG 1603

CGTGAGGATGCTTGGCACGTACCCCGTGTACATACTCCAGGCACCCAGCATGG 1658

AAATAAGCACCCAGCGCTGCCCTGGGCCCTCGGAGACTGTGATGTTCTTCC 1713

GTGGGTCAGGCCGAGTCTGAGGCCCTGAGTGGCATGAGGGAGGCAGAGTGGGTC... 1766

FIGURE 4

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10/27
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12/17
13/27
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15/27
16/27

CAAGCCAGAGCCCTGCCATTTCTGTGGCTCAGGTCCTACTGCTCAGCCCTT 55
 → CD4
 M N R G V P F R H
 -20
 CCTCCCTCGGCAAGGCCACAATG AAC CGG GGA GTC CCT TTT AGG CAC 102
 -10
 L L L V L Q L A L L P A A T
 TTG CTT CTG GTG CTG CAA CTG GCG CTC CTC CCA GCA GCC ACT 144
 -1 +1 +10
 Q G K V V L G K K G D T V
 CAG GGA AAG AAA GTG GTG CTG GGC AAA AAA GGG GAT ACA GTG 186
 +20
 E L T C T A S Q K K S I Q F
 GAA CTG ACC TGT ACA GCT TCC CAG AAG AAG AGC ATA CAA TTC 228
 +30 +40
 H W K N S N Q I K I L G N Q
 CAC TGG AAA AAC TCC AAC CAG ATA AAG ATT CTG GGA AAT CAG 270
 +50
 G S F L T K G P S K L N D R
 GGC TCC TTC TTA ACT AAA GGT CCA TCC AAG CTG AAT GAT CGC 312

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										+60			
A	D	S	R	S	L	W	D	Q	G	N	F	P	
GCT	GAC	TCA	AGA	AGC	CTT	TGG	GAC	CAA	GGA	AAC	TTC	CCC	
												354	
										+70			
L	I	I	K	N	L	K	I	E	D	S	D	T	Y
CTG	ATC	ATC	AAG	AAT	CTT	AAG	ATA	GAA	GAC	TCA	GAT	ACT	TAC
												396	
										+80			
I	C	E	V	E	D	Q	K	E	E	V	Q	L	L
ATC	TGT	GAA	GTG	GAG	GAC	GAG	AAG	GAG	GAG	GTG	CAA	TTG	CTA
												438	
										+90			
V	F	G	L	T	A	N	S	D	T	H	L	L	Q
GTG	TTC	GGA	TTG	ACT	GCC	AAC	TCT	GAC	ACC	CAC	CTG	CTT	CAG
												480	
										+100			
G	Q	S	L	T	L	T	L	E	S	P	P	G	S
GGG	CAG	AGC	CTG	ACC	CTG	ACC	TTG	GAG	AGC	CCC	CCT	GGT	AGT
												522	
										+110			
										+120			
S	P	S	V	Q	C	R	S	P	R	G	K	N	I
AGC	CCC	TCA	GTG	CAA	TGT	AGG	AGT	CCA	AGG	GGT	AAA	AAC	ATA
												564	
										+130			

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+140
 Q G G K T L S V S Q L E L Q
 CAG GGG GGG AAG ACC CTC TCC GTG TCT CAG CTG GAG CTC CAG 606

+160
 D S G T W T C T V L Q N Q K
 GAT AGT GGC ACC TGG ACA TGC ACT GTC TTG CAG AAC CAG AAG 648

+170
 K V E F K I D I V V L A F A
 AAG GTG GAG TTC AAA ATA GAC ATC GTG GTG CTA GCT TTC GCC 690

→CH1
 +180

+190
 S T K G P S V F P L A P C S
 TCC ACC AAG GGC CCA TCG GTC TTC CCC CTG GCG CCC TGC TCC 732

+200
 R S T S E S T A A L G C L V
 AGG AGC ACC TCC GAG AGC ACA GCC GCC CTG GGC TGC CTG GTC 774

+210
 K D Y F P E P V T V S W N S
 AAG GAC TAC TTC CCC GAA CCG GTG ACG GTG TCG TGG AAC TCA 816

+230
 G A L T S G V H T F P A V L
 GGC GCT CTG ACC AGC GGC GTG CAC ACC TTC CCA GCT GTC CTA 858

REF ID: A66592/01143

07/960,440

[illegible]

P	S	S	N	F	G	T	Q	T	Y	T	C	N	V
CCC	TCC	AGC	AAC	TTC	GGC	ACC	CAG	ACC	TAC	ACC	TGC	AAC	GTA

+260

942

+270

D	H	K	P	S	N	T	K	V	D	K	T	V
GAT	CAC	AAG	CCC	AGC	AAC	ACC	AAG	GTG	GAC	AAG	ACA	GTTGGTG

985

AGAGGCCAGCTCAGGAGGGAGGTGTCTGCTGAAGCCAGGCTCAGCCCTCCTG 1040

CCTGGACGACCCCGGCTGTGCAGCCCGCCAGGCAAGGCAGGCCCAT 1095

CTGTCTCCTCACCCGGAGGCCTCTGCCGCCCACTCATGCTCAGGGAGAGGGTC 1150

TTCTGGCTTTTCCACGAGGCTCAGGCAGGCAGGCTGGTGCCCTACCCA 1205

GGCCCTTACACACAGGGCAGGTGCTTGGCTCAGACCTGCCAAAGCCATATCC 1260

13/27

GGGAGGACCCCTGCCCTGACCTAAGCCGACCCCAAGGCCAAACTGTCCACTCCC 1315

TCAGCTCGGACACCTTCTCTCTCCAGATCCGAGTAACTCCCAATCTTCTCTCT 1370

+280

E R K C C V E C P P C P

GCAGAG CGC AAA TGT TGT GTC GAG TGC CCA CCG TGC CCAGGTAAG 1415

CCAGCCAGGCCTCGCCCTCCAGCTCAAGCGGGACAGGTGCCCTAGAGTAGCCT 1470

GCATCCAGGACAGGCCCCAGCTGGGTGCTGACACGTCCACCTCCATCTCTTCCT 1525

+290

A P P V A G P S V F L F P P

CAGCA CCA CCT GTG GCA GGA CCG TCA GTC TTC CTC TTC CCC CCA 1569

+310

K P K D T L M I S R T P E V

AAA CCC AAG GAC ACC CTC ATG ATC TCC CGG ACC CCT GAG GTC 1611

+320

T C V V V D V S H E D P E V

ACG TGC GTG GTG GAC GTG AGC CAC GAA GAC CCC GAG GTC 1653

+330

1001 01143

14/27

Q F N W Y V D G V E V H N A
CAG TTC AAC TGG TAC GTG GAC GGC GTG GAG GTG CAT AAT GCC 1695

+340
K T K P R E E Q F N S T F R
AAG ACA AAG CCA CGG GAG GAG CAG TTC AAC AGC ACG TTC CGT 1737

+360
V V S V L T V V H Q D W L N
GTG GTC AGC GTC CTC ACC GTT GTG CAC CAG GAC TGG CTG AAC 1779

+370
G K E Y K C K V S N K G L P
GGC AAG GAG TAC AAG TGC AAG GTC TCC AAC AAA GGC CTC CCA 1821

+380
A P I E K T I S K T K
GCC CCC ATC GAG AAA ACC ATC TCC AAA ACC AAAGTGGACCCGC 1866

GGGTATGAGGCCACATGGACAGAGCGCGCTCGGCCACCCTCTGCCCTGGGA 1921

→CH3
+400
G Q P R E P Q
GTGACCGCTGTGCCAACCTCTGTCCCTACAGG CAG CCC CGA GAA CCA CAG 1972

V	Y	T	L	P	P	S	R	E	E	M	T	K	N	2014
GTG	TAC	ACC	CTG	CCC	CCA	TCC	CGG	GAG	GAG	ATG	ACC	AAG	AAC	
+420														
Q	V	S	L	T	C	L	V	K	G	F	Y	P	S	2056
CAG	GTC	AGC	CTG	ACC	TGC	CTG	GTC	AAA	GGC	TTC	TAC	CCC	AGC	
D	I	A	V	E	W	E	S	N	G	Q	P	E	N	2098
GAC	ATC	GCC	GTG	GAG	TGG	GAG	AGC	AAT	GGG	CAG	CCG	GAG	AAC	
N	Y	K	T	T	P	P	M	L	D	S	D	G	S	2140
AAC	TAC	AAG	ACC	ACA	CCT	CCC	ATG	CTG	GAC	TCC	GAC	GGC	TCC	
F	F	L	Y	S	K	L	T	V	D	K	S	R	W	2182
TTC	TTC	CTC	TAC	AGC	AAG	CTC	ACC	GTG	GAC	AAG	AGC	AGG	TGG	
Q	Q	G	N	V	F	S	C	S	V	M	H	E	A	2224
CAG	CAG	GGG	AAC	GTC	TTC	TCA	TGC	TCC	GTG	ATG	CAT	GAG	GCT	
L	H	N	H	Y	T	Q	K	S	L	S	L	S	P	2266
CTG	CAC	AAC	CAC	TAC	ACG	CAG	AAG	AGC	CTC	TCC	CTG	TCT	CCG	

16/27

G K stop

GGT AAA TGAGTGCCACGGCCGGAAGCCCCGCTCCCCAGGCTCTCGGGGTCG 2319

CGTGAGGATGCTTGGCACGTACCCCGTGACATACTTCCCAGGCCACCCAGCATGG 2374

AAATAAGCACCCAGCGCTGCCCTGGGCCCTGCCGAGACTGTGATGGTTCTTCC 2429

GTGGGTCAGGCCGAGTCTGAGGCCTGAGTGGCATGAGGGAGCAGAGTGGGTC... 2482

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FIGURE 5

17/27
FIGURE 5
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17/27

CAAGCCAGAGCCCTGCCATTCTGTGGCTCAGGTCCCTACTGCTCAGCCCCTT 55
 CCTCCCTCGCAAGCCACAATG AAC CGG GGA GTC CCT TTT AGG CAC 102
 M N R G V P F R H
 -20
 L L L V L Q L A L L P A A T
 TTG CTT CTG GTG CTG CAA CTG GCG CTC CTC CCA GCA GCC ACT 144
 -10
 L L L V L Q L A L L P A A T
 TTG CTT CTG GTG CTG CAA CTG GCG CTC CTC CCA GCA GCC ACT 144
 -1 +1
 Q G K K V V L G K K G D T V
 CAG GGA AAG AAA GTG GTG CTG GGC AAA AAA GGG GAT ACA GTG 186
 +10
 E L T C T A S Q K K S I Q F
 GAA CTG ACC TGT ACA GCT TCC CAG AAG AAG AGC ATA CAA TTC 228
 +20
 H W K N S N Q I K I L G N Q
 CAC TGG AAA AAC TCC AAC CAG ATA AAG ATT CTG GGA AAT CAG 270
 +30
 G S F L T K G P S K L N D R
 GGC TCC TTC TTA ACT AAA GGT CCA TCC AAG CTG AAT GAT CGC 312
 +50

→CD4

18/27

+60
 A D S R R S L W D Q G N F P
 GCT GAC TCA AGA AGC CTT TGG GAC CAA GGA AAC TTC CCC 354

+70
 L I I K N L K I E D S D T Y
 CTG ATC ATC AAG AAT CTT AAG ATA GAA GAC TCA GAT ACT TAC 396

+90
 I C E V E D Q K E E V Q L L
 ATC TGT GAA GTG GAG GAC CAG AAG GAG GAG GTG CAA TTG CTA 438

+100
 V F G L T A N S D T H L L Q
 GTG TTC GGA TTG ACT GCC AAC TCT GAC ACC CAC CTG CTT CAG 480

+120
 G Q S L T L T L E S P P G S
 GGG CAG AGC CTG ACC CTG ACC TTG GAG AGC CCC CCT GGT AGT 522

+130
 S P S V Q C R S P R G K N I
 AGC CCC TCA GTG CAA TGT AGG AGT CCA AGG GGT AAA AAC ATA 564

19/27

[illegible]

D S G T W T C T V L Q N Q K
GAT AGT GGC ACC TGG ACA TGC ACT GTC TTG CAG AAC CAG AAG 648
+160
+170
+180
Ckappa

K V E F K I D I V V L A F T
AAAG GTG GAG TTC AAA ATA GAC ATC GTG GTG CTA GCT TTC ACT 690

	V	A	A	P	S	V	F	I	F	P	P	S	D	E
	GTG	GCT	GCA	CCA	TCT	GTC	TTC	ATC	TTC	CCG	CCA	TCT	GAT	GAG

[illegible]

+210
 N F Y P R E A K V Q W K V D
 AAC TTC TAT CCC AGA GAG GCC AAA GTA CAG TGG AAG GTG GAT 716
 +220

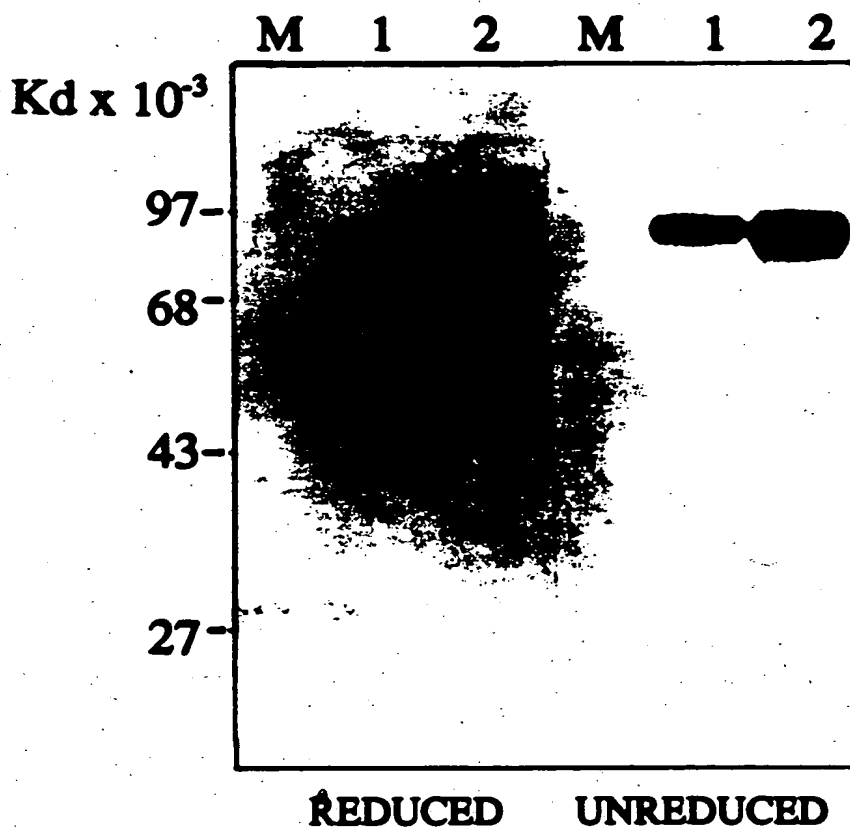
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TCCTT

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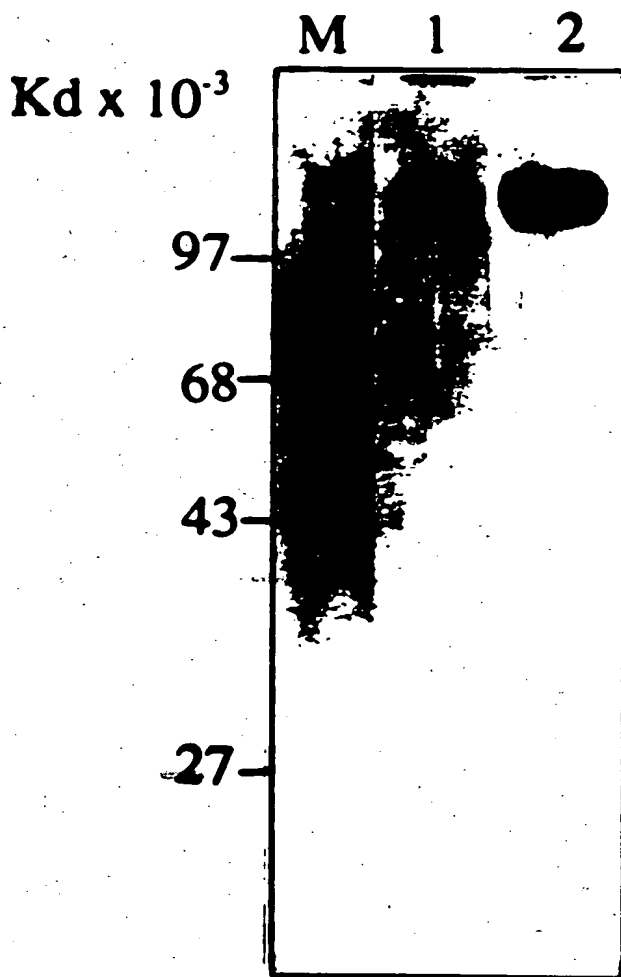
Figure 6



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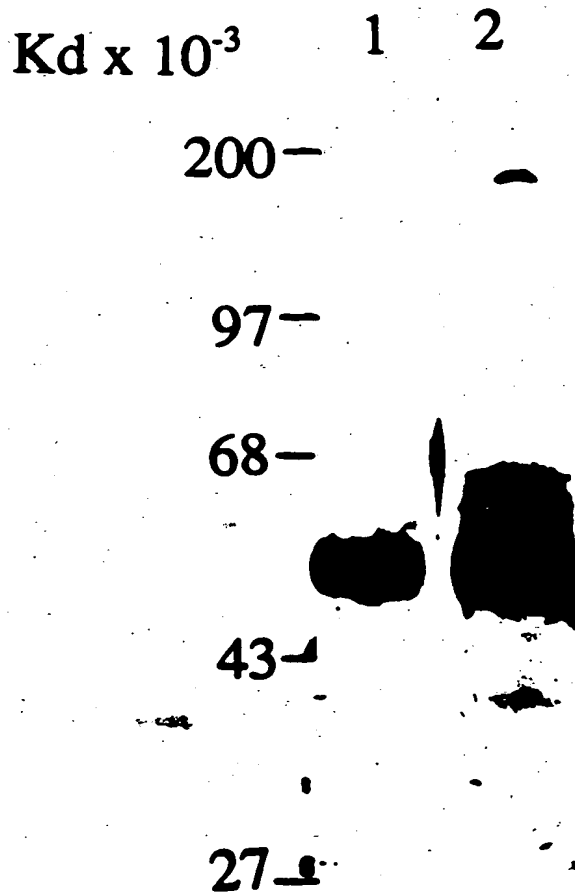
Figure 7



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Figure 8



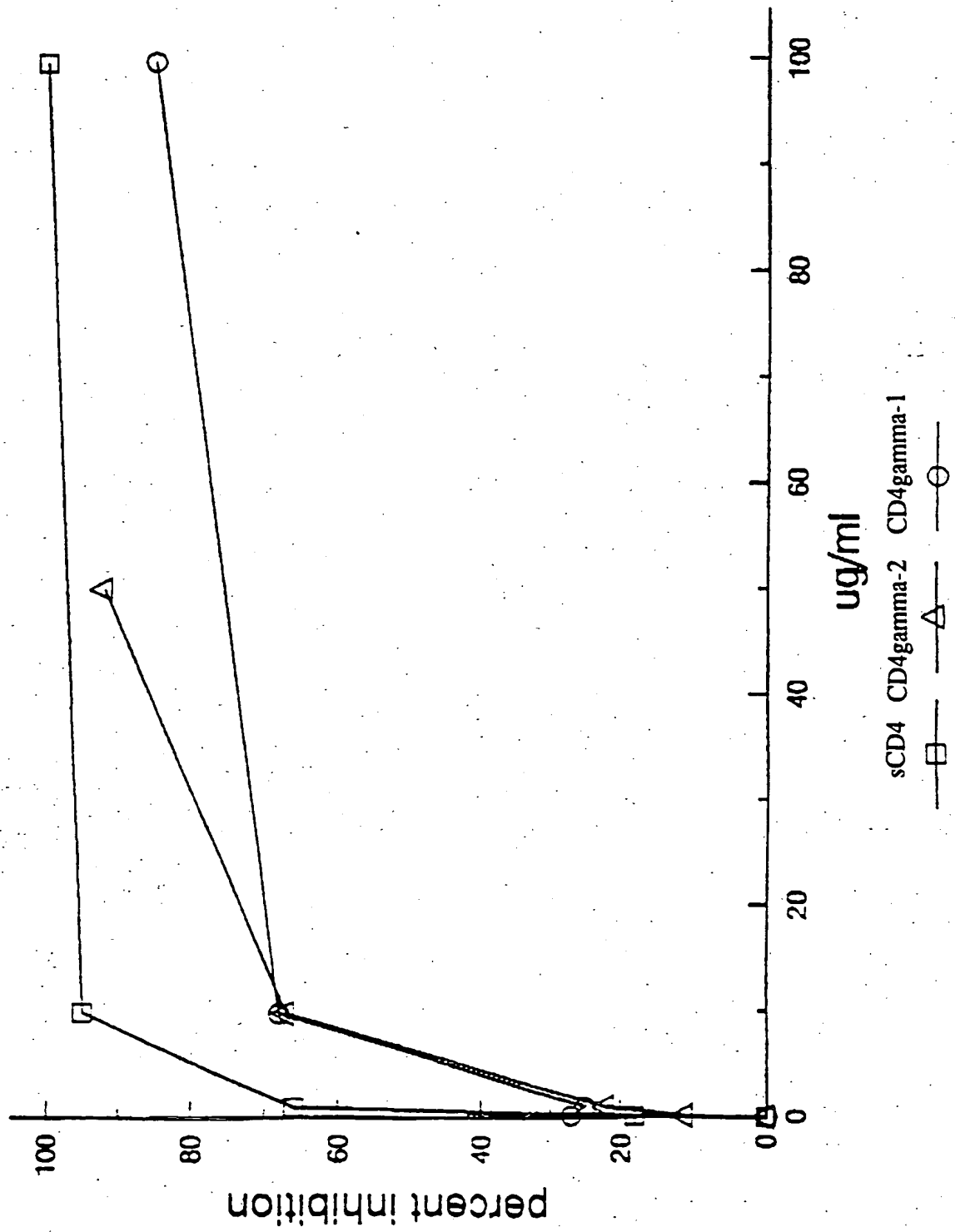
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PPT 11592/01143

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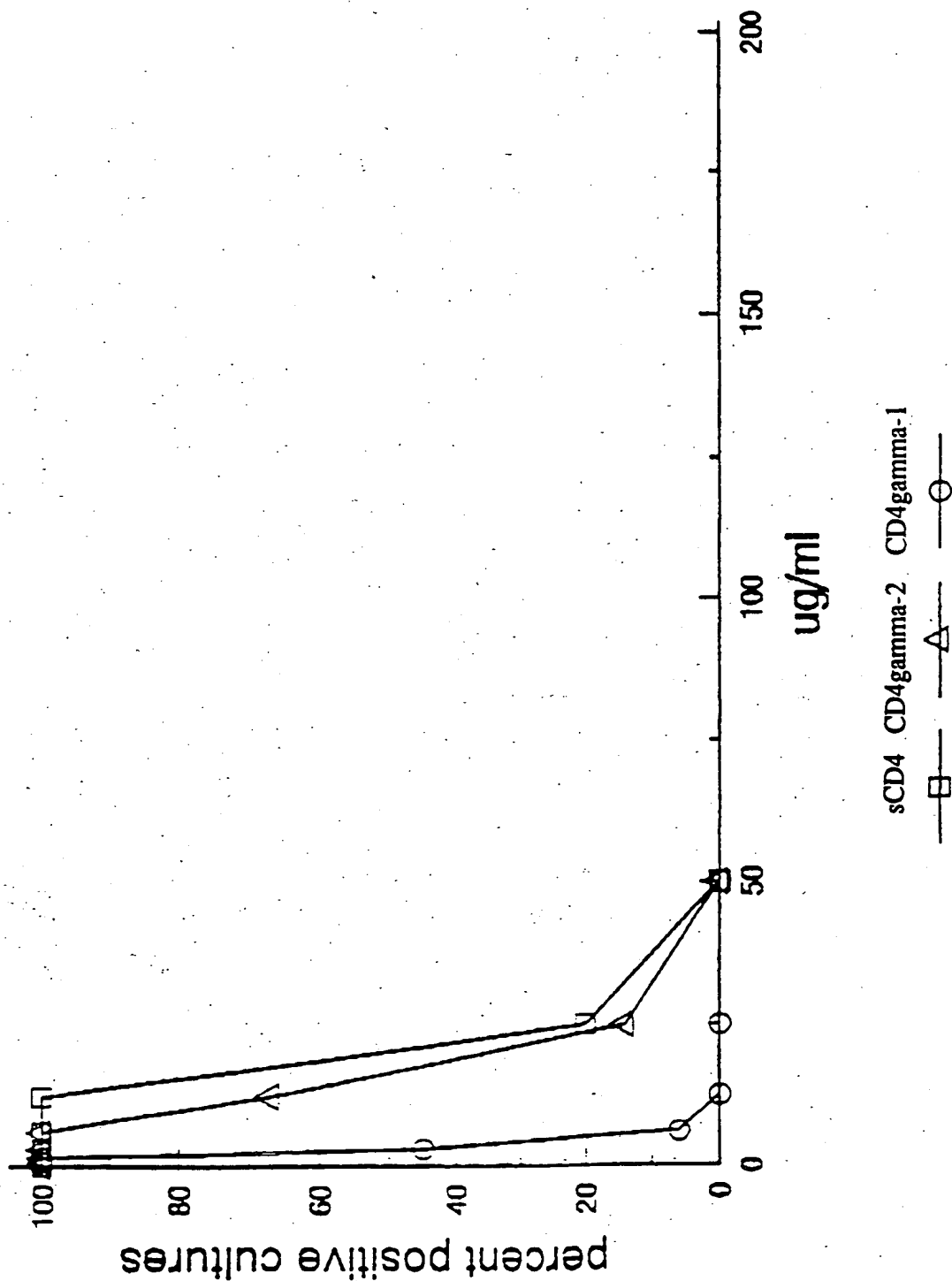
FIGURE 9



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FIGURE 10



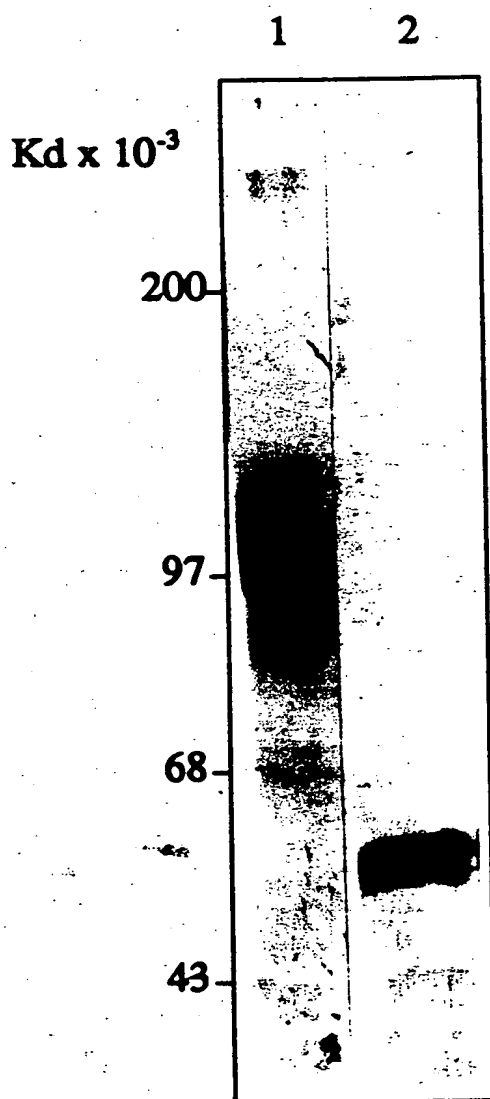
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Figure 11



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Figure 12B

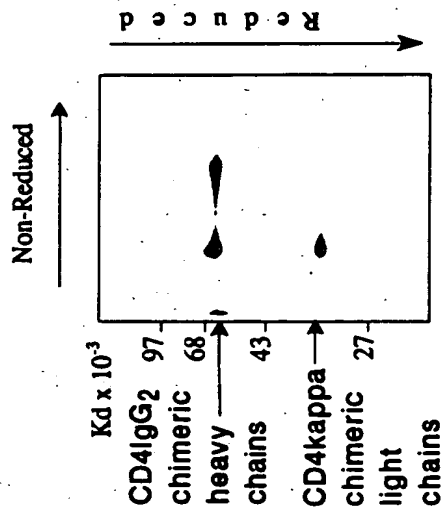


Figure 12A

